

What is claimed is:

1. A fuel cell comprising a pair of separators and
electrolyte electrode assemblies interposed between said
separators, said electrolyte electrode assemblies each
including an anode, a cathode, and an electrolyte interposed
between said anode and said cathode, wherein

a first area for providing said electrolyte electrode
assemblies is formed between said separators;

each of said separators includes a first plate and a
second plate stacked together to form a second area between
said first plate and said second plate;

said second area is divided by a partition into a fuel
gas channel, and oxygen-containing gas channel;

said fuel gas channel formed in one of said separators
is connected to said first area through fuel gas inlets for
supplying said fuel gas to anodes of said electrolyte
electrode assemblies; and

said oxygen-containing gas channel formed in the other
of said separators is connected to said first area through
oxygen-containing gas inlets for supplying said oxygen-
containing gas to cathodes of said electrolyte electrode
assemblies.

2. A fuel cell stack according to claim 1, wherein
said partition includes a ridge protruding from said first
plate to contact said second plate.

3. A fuel cell stack according to claim 1, wherein said partition includes a ridge protruding from said second plate to contact said first plate.

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4. A fuel cell according to claim 1, said fuel gas and said oxygen-containing gas are supplied through said fuel gas inlets and said oxygen-containing gas inlets to central regions on opposite surfaces of said electrolyte electrode assemblies, respectively.

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5. A fuel cell according to claim 1, wherein said first bosses and said second bosses protrude toward each other for sandwiching said electrolyte electrode assemblies.

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6. A fuel cell according to claim 5, wherein said first bosses and said second bosses are current collectors for collecting electric energy produced by chemical reaction of said fuel gas and said oxygen-containing gas supplied to opposite surfaces of electrolyte electrode assemblies.

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7. A fuel cell according to claim 5, wherein said first bosses protrude toward said electrolyte electrode assemblies by a large distance in comparison with said second bosses.

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